

METHOD AND DEVICE FOR BRAKING TWO WHEELS OF A VEHICLE

Field Of The Invention

The present invention relates to a method and a device for braking two vehicle wheels of one axle.

5 Background Information

German Published Patent Application No. 42 25 983 describes a method for braking vehicle wheels, in which the brake-pressure build-up at at least one wheel is influenced for reducing a yaw moment generated by an ABS. The brake pressure at the wheels of one axle are influenced in such a way that the difference between the
10 brake pressures of one axle does not exceed a permissible value. This maximum permissible value is made dependent on the vehicle speed and the lateral acceleration.

Summary Of The Invention

The present invention relates to a method for braking two wheels of a vehicle, in
15 which the value of the brake pressure in the wheel-brake cylinder allocated to the first wheel is linked with the value of the brake pressure in the wheel-brake cylinder allocated to the second wheel.

In this context, the linkage is provided based on the hydraulic pressure differentials
20 decreasing at the respective intake valves.

One advantageous embodiment is characterized in that

- the coil current through the specific intake valve is ascertained, and
- from this, the pressure differential decreasing at the specific intake valve is
25 determined.

One advantageous refinement is characterized in that, with the knowledge of the pressure differential decreasing at the specific intake valve, the coil current through the specific intake valve is also known. This allows a particularly simple and robust
30 control, since a predefined current can be set substantially more easily than a predefined pressure differential.

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